

BI-WEEKLY PROGRESS REPORT NO. 7

**OLD ROOSEVELT FIELD CONTAMINATED GROUNDWATER AREA SITE
REMEDIAL ACTION - PHASE 2, GROUND WATER TREATMENT SYSTEM CONSTRUCTION
GARDEN CITY, NASSAU COUNTY, NEW YORK**

Prepared for:
U.S. Environmental Protection Agency
290 Broadway
New York, New York 10007-1866

Prepared by:
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14 Wall Street
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EPA Work Assignment No.	: 023-RARA-02PE
EPA Region	: 2
Contract No.	: EP-W-09-002
CDM Federal Programs Corporation	
Document No.	: 3320-023-00947
Prepared by	: CDM
Site Manager	: Mr. Thomas Mathew, P.E.
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Date Prepared	: July 25, 2011

Bi-Weekly Progress Report No. 7

Phase 2 – Ground Water Treatment System Construction

1.0 Introduction

Pursuant of the Work Assignment Form (WAF) Statement of Work (SOW), for Region 2 Contract EP-W-09-002 Work Assignment 023-RARA-02PE, CDM Federal Programs Corporation (CDM) is performing the Phase 2 (Groundwater Treatment System Construction) Remedial Action (RA) at the Old Roosevelt Contaminated Groundwater Area Site. The Bi-Weekly Progress Report is intended to partially fulfill the requirements specified under WAF SOW for this assignment. This Bi-Weekly report is prepared for the work performed from June 13, 2011 to June 24, 2011.

The work performed during this reporting period includes: utility mark-outs, general clean-up, structural backfill of building excavation, in-situ compaction density testing, expansion of building foundation excavation, material delivery and staging. This work is summarized in further detail below. A list of the supporting documentation attached with this bi-weekly progress report is as follows:

- Attachment 1 - CDM's Daily Status Report
- Attachment 2 - CDM's Field Log Book Notes
- Attachment 3 - Photo Log

2.0 Personnel On-Site

The following personnel were on site during this reporting period:

CDM - Contractor

Jeffrey Mullen	Construction Supervisor
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Arrowhead Contracting Inc (ACI) - Subcontractor

Tom Gleave	Quality Control/Safety Manager
Joe Cotter	Site Superintendent
Matt Swope	Construction Foreman
Doug Ronk	Project Manager

T&F Enterprises – ACI Subcontractor

Tim Taub	Owner/Operator
Chris Kozikowski	Operator
Nick Gambino	Laborer

CM Testing - ACI Subcontractor

J. Patino	Technician
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Sampogna Corporation - ACI Subcontractor

Anner Portillo	Laborer
Eugenio Guevarav	Laborer

3.0 Summary of Work Performed

The following is a brief summary of the field activities performed during this reporting period (refer to Attachments 1, 2, and 3 for Daily Status Report, log book notes, and photo log, respectively for each working day):

- Maintenance of utility mark-outs by ACI
 - Re-marked spray paint markings and reset flagging for underground utility locations.
- Structural Foundation Installation
 - T&F constructed an access ramp to the building foundation excavation. T&F compacted the bottom of the excavation using a vibratory plate compactor. CM Testing performed compaction density testing of compacted sub-grade using a nuclear densitometer, Trolex 3430.
 - Prior to installation of structural fill CM Testing Laboratory collected a sample for Standard Proctor analysis, AASHTO-T180-09 Method "D"
- General Site Clean-up
 - ACI covered stockpiled soil with poly sheeting. Sheeting anchored, using ropes and stone.
- Building Foundation Excavation Expansion
 - Nick of Samponga Corp. (concrete foundation sub-contractor) inspected the excavation and determined that the western edge of the excavation needed to be 2 feet wider to allow access for form installation.
 - ACI used their skid-steer to expand the western edge of the building foundation by 2 feet.
- Health and Safety
 - A tailgate H&S meeting was conducted each day before the start of work activities.
- Material Deliveries
 - Electrical PVC conduits and accessories
 - Pre-cast concrete pull boxes (6)
 - Bollards and sleeves
 - Recycled concrete structural fill (175 CY)

4.0 Problems/Corrective Action

During this two week period no problems or issues were noted.

5.0 Deviations

No deviations were noted for this reporting period.

6.0 Conclusions

Construction progress continues at a moderate pace. All work has been completed in a professional and safe manner.

ATTACHMENT 1
DAILY STATUS REPORT

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-13-11

Day Monday

WEATHER: Pt. Cloudy

TEMP: 57/73 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
TL-250 Skid Steer – Not used.			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Verizon on-site to direct ACI where phone and internet will be provided to the site. There is a pole in the south east corner, outside the fence.			
Utility suppliers continue to mark underground utilities.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Slips, Trips and Falls			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W, Mullen

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-14-11

Day Tuesday

WEATHER: Pt. Cloudy

TEMP: 55/68 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
TL-250 Skid Steer – Not used.			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
JK Electric on-site to drop off conduit and accessories.			
ACI picked up bollards and sleeves from fabricator.			
Utility suppliers continue to mark underground utilities.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Accident Prevention			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W, Mullen

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-15-11

Day Wednesday

WEATHER: Sunny

TEMP: 62/78 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
TL-250 Skid Steer – Not used.			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
JK Electric on-site to drop off Concrete pull boxes and manholes.			
Utility suppliers continue to mark underground utilities.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Barricades and Warning Devices			
TESTING PERFORMED:			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:
N/A
COMMUNICATION WITH CONTRACTOR STAFF:
N/A
MEETING:
N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W. Mullen _____

Title: Field Engineer _____

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-16-11

Day Thursday

WEATHER: Sunny

TEMP: 64/78 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
10:00a	Ali Rahmani	CDM Fed	Site Inspection
10:00a	Thomas Mathew	CDM Fed	Site Inspection
EQUIPMENT IN USE:			
TL-250 Skid Steer – Not used.			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
No construction activities.			
Utility suppliers continue to mark underground utilities.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Teamwork			
TESTING PERFORMED:			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:
N/A
COMMUNICATION WITH CONTRACTOR STAFF:
N/A
MEETING:
N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W. Mullen _____

Title: Field Engineer _____

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-20-11

Day Monday

WEATHER: Pt. Cloudy

TEMP: 62/78 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
TL-250 Skid Steer – Not used.			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
No construction activities.			
Utility suppliers continue to mark underground utilities.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Gasoline/Flammables			
TESTING PERFORMED:			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN:
N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED:
N/A
COMMUNICATION WITH CONTRACTOR STAFF:
N/A
MEETING:
N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W. Mullen _____

Title: Field Engineer _____

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-21-11

Day Tuesday

WEATHER: Sunny

TEMP: 64/78 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
CM Testing/Jorge Patino			
T&F Enterprises/Tim Taub, Nick Gambino, Chris Kozinowski			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
TL-250 Skid Steer			
CAT 277C Skid Steer			
Bosch BPU 3545 Vibratory Plate Compactor			
TROLEX 3430 Nuclear Densitometer			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Skid Steers used to unload 3" HDPE pipe from flatbed truck .(112 pc x 50' ea = 5600lf)			
6-25yd loads (150cy total) of structural fill delivered to site by Liotta and Sons.			
T&F used plate compactor to compact subgrade soil prior to placement of structural backfill			
CM Testing, Jorge – used nuclear densitometer to inspect compaction of subgrade prior to placement of structural fill			
CAT 277C Skid Steer operated by T&F to place structural fill in building foundation 6" lifts.			
CM Testing, Jorge – used nuclear densitometer to inspect compaction after placement of each 6" lift (3)			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

WORK BEING INSPECTED: N/A
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN: Daily Safety Tailgate meeting held. Featured Topic: Heavy Equipment
TESTING PERFORMED: Nuclear density testing performed for compaction confirmation.
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W, Mullen

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-22-11

Day Wednesday

WEATHER: Overcast

TEMP: 60/75 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0300	Nick Sampogna	Sampogna Corp.	Inspection
EQUIPMENT IN USE:			
TL-250 Skid Steer			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Nick Sampogna (concrete Supcontractor) visited site to evaluate the building excavation to be sure enough area was excavated to set forms. The western wall needs to be 2 feet wider. Otherwise, the excavation is adequate to set his forms.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Hard Hats			
TESTING PERFORMED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W. Mullen

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-23-11

Day Thursday

WEATHER: Overcast

TEMP: 66/77 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Jeff Mullen			
.			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
EQUIPMENT IN USE:			
TL-250 Skid Steer			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
Building excavation expanded 2' west to allow more room for concrete form assembly.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Work near traffic			
TESTING PERFORMED:			
N/A			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: N/A
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W. Mullen

Title: Field Engineer

Daily Status Report

PROJECT: **Old Roosevelt Field Site**
251 Clinton Road
Garden City, New York

Date: 6-24-11

Day Friday

WEATHER: Overcast

TEMP: 70 deg F

WIND: slight

FIELD FORCE			
FIRM NAME/PERSONNEL ONSITE			
CDM/Ali Rahmani			
Arrowhead/Tom Gleave, Joe Cotter			
VISITORS			
TIME	NAME	REPRESENTING	REMARKS
0730	Chris Kozikowski	T&F Enterprises	Fusing HDPE Pipe
0730	Nick Gambino	T&F Enterprises	Fusing HDPE Pipe
0830	3-man crew	Sampogna	Building layout
EQUIPMENT IN USE:			
TL-250 Skid Steer – not used CAT 277 Skid Steer – used to move fused sections of pipe.			
CONSTRUCTION ACTIVITIES COMPLETED AND/OR IN PROGRESS:			
T&F (2-man crew) on-site fusing 3" HDPE pipe using butt fusion machines (2). Sampogna (3-man crew) on-site to layout building. 3-25yd loads of structural fill delivered to the site by Liotta & Sons.			
WORK BEING INSPECTED:			
N/A			
JOB SAFETY. INDICATE WHAT WAS CHECKED, RESULTS, AND CORRECTIVE ACTIONS TAKEN:			
Daily Safety Tailgate meeting held. Featured Topic: Working in wet weather			

Daily Status Report (Continued)

PROJECT: Old Roosevelt Field Site

TESTING PERFORMED: N/A
PROBLEM/DELAYS/CORRECTIVE ACTION TO BE TAKEN: N/A
GREEN REMEDIATION PRACTICES IMPLEMENTED AND QUANTITIES TRACKED: N/A
COMMUNICATION WITH CONTRACTOR STAFF: N/A
MEETING: Weekly Conference call
ADDITIONAL ACTIVITIES AND REMARKS:

By: Jeffrey W, Mullen

Title: Field Engineer

ATTACHMENT 2
FIELD LOGBOOK NOTES

6/13/11
Monday

Overcast
57/73°F

Shmiken
Teresa
J. Carter

- Safety Meeting - Sips, Trips & Falls
- Verizon on-site to provide guidance regarding service location for phone/internet for Treatment Building

6/13/11

6/14/11
Tuesday

Overcast
55/68°F

Shmiken
Teresa
J. Carter

- Utility Suppliers Marking Underground Utilities
- JH Electric on-site to drop off conduit
- Safety Meeting - Accident Prevention
- DG Utility make-outs continuance
- Act Picked up Bollards from Fabricator

Shmiken
6/13/11

6/15/11
Wednesday

Sunny
62/78

J. Mullen
T. Gleave
J. Catter

• Safety Meeting - Barricades & Warning Devices

• JK Electric on site taking Delivery of RollBoxes

• 6 Precast Structures
• 3 MH's & Frames

6/15/11
Thurs

Sunny
64/78°F

J. Mullen
T. Gleave
J. Catter

• Safety Meeting - Teamwork

• Thomas MATHIEW & Ali Rahmani on-site
• Island Springs on-site - Water Delivery

6/16/11
Fri

• from off-site
• No construction activities
• Conference Call

6/20/11
Monday

PT Cloudy
62/78°F

J. Mullen
T. Gleave
J. Catter

• Safety Meeting -

• No construction activities

2nd 6/15/11

6/21/11
Friday

Sunny
64/78°F

J. Mullen
T. Gleave
J. Mullen

• Safety Meeting - Heavy Equipment

• 1st Sitegrises on-site @ 08:00
• Construction Access Ramp
• Chris Kozimowski
• Building Foundation Excavation
• For Placement of Backfill
• CAT 277C SKID-STEER USED

Large Paving

• CM TESTING on-site @ 08:15
• 3430 TROLEX NUCLEAR DENSITOMETER
• BPU 3545 BOSCH COMPACTOR
• USED TO COMPACT STRUCTURAL FILL (3) 8" LIFTS & Subbase

• 3" HDPE PIPE x 50' long
• UNLOADED AND STAGED NEXT TO ACCESS ROAD (5600' - 11200')

• STRUCTURE BACKFILL DELIVERED
By Liotha & Sons (25yd) XH11 (150cy)

2nd 6/21/11

6/22/11
Wednesday

Overcast
60/75°F

J. Mullen
J. Cotter
T. Cleave

• Safety Meeting - Handouts

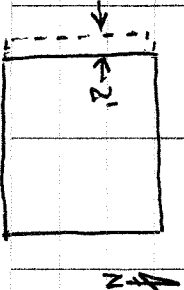
• No Construction Activities

• ACI Replaced Pick-up Truck
Returned Toyota / Picked up Dodge

0800 • Discussed Trench Compaction
And Testing Requirements w/
Thomas Matthew.

- 12" LIFTS ACCEPTABLE
- COMPACTION TESTING:
- 2 TESTS PER 200'
- AT DIFFERENT LIFTS

0830 • Sampson Cor - Nick on-site
to inspect EXCAVATION AND BACKFILL
WEST SIDE OF EXCAVATION NEEDS
TO BE EXPANDED 2' WEST



Jim 6/22/11

6/23/11

Overcast
66/77°F

J. Mullen
T. Cleave
J. Mullen

0700 • Safety Meeting - Working near Traffic

• No ~~Construction~~ ^{Excavation} Activities
DUE TO POOR WEATHER CONDITIONS

0800 • West Wall of Building Excavation
EXCAVATED 2' MORE USING SKID STEER
0800 • ACI COMPLETED EXTENSION OF EXCAVATION

Jim 6/23/11

6/24/11

0730

Ati Rahmani (AR) &
CDM onsite.

Weather: Overcast
70°F

0830

Forecast: Thunderstorm & Rain
Arrowhead Contracting Inc (ACI)
on site: Joe Cottes & Tom Ghera
ACI subcontractor Enterprises
Plumbing & Heating onsite (2
person crew). They will be
welding the HDPE pipes (a
using but fusion method
ACI subcontractor Sampogna
Contracting onsite (3 person crew
Sampogna will be performing
foots and connect work for
AEL. Today's schedule is to
finalize the ~~two~~ foots
line for formwork.
0850 Enterprises plumbing started
joining HDPE pipes and
Sampogna started marking
the foundation line and
surveying the points.

6/24/11

6/24/11

0947

0948

0950

Photo 1: Setting up building corner
Photo 2: "

Photo 3: Butt fusing of HDPE pipe
Photo 3: Butt fused pipe

Butt fusion is performed by
first preparing the end of pipe
(i.e. cutting and smoothing), then
heating the end of the pipe
to 450°F to 500°F, and then
joining the pipe for 5 minutes.
Weekly construction meeting
Both subcontractors continue
working

1005

~~working~~ One truck load of structural
fill delivered onsite

1005

400
1000 TIF Enterprises completed two ~~feet~~
of pipe joints. Schedule to finish
two additional 200LF of pipe
joints - 1500L CAT SKID STEER TO MOVE PIPE

1030

Sampogna completed building
footprint outline for foundation

1040

Enterprises finish HDPE
pipe joints for today. TIF 200LF
of pipes completed

6/24/11

ATTACHMENT 3
PHOTO LOG

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: June 13 through June 24, 2011



Delivery of Prefabricated Bollard Posts

IMAG0045.jpg

6/14/2011



Bollard Post Sleeves

IMAG0046.jpg

6/14/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: June 13 through June 24, 2011



Delivery of JM Eagle 3" Dia. SDR 11 HDPE Pipe

IMAG0047.jpg

6/21/2011



Delivery of Precast Concrete Pull-boxes (6)

IMAG0048.jpg

6/16/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: June 13 through June 24, 2011



Delivery of Recycled Concrete Structural Fill for building foundation.

IMAG0049.jpg

6/21/2011



Temporary ramp installed for access to building excavation.

IMAG0050.jpg

6/21/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: June 13 through June 24, 2011



Vibratory Plate Compactor used to compact structural fill.
IMAG0051.jpg 6/20/2011



Structural Fill being placed in excavation in 8" lifts.
IMAG0052.jpg 6/22/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: June 13 through June 24, 2011



Layout of building foundation in preparation for forms.

IMAG0053.jpg

6/24/2011



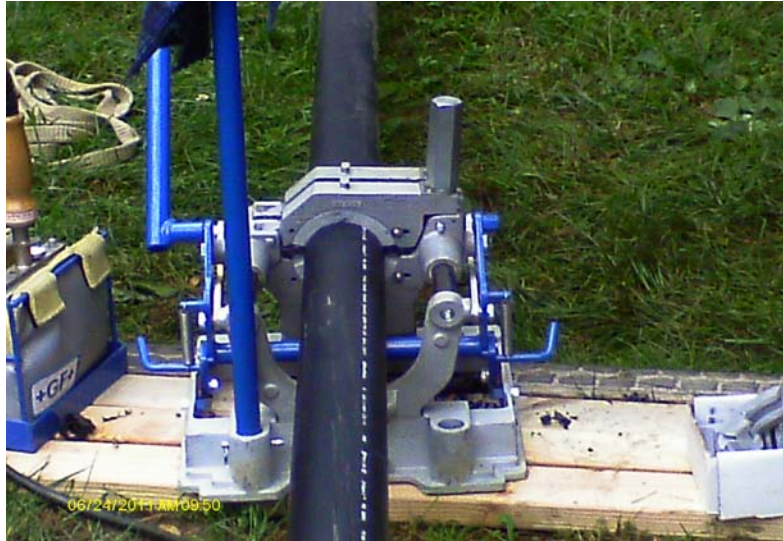
Stakes and strings used to layout foundation perimeter.

IMAG0054.jpg

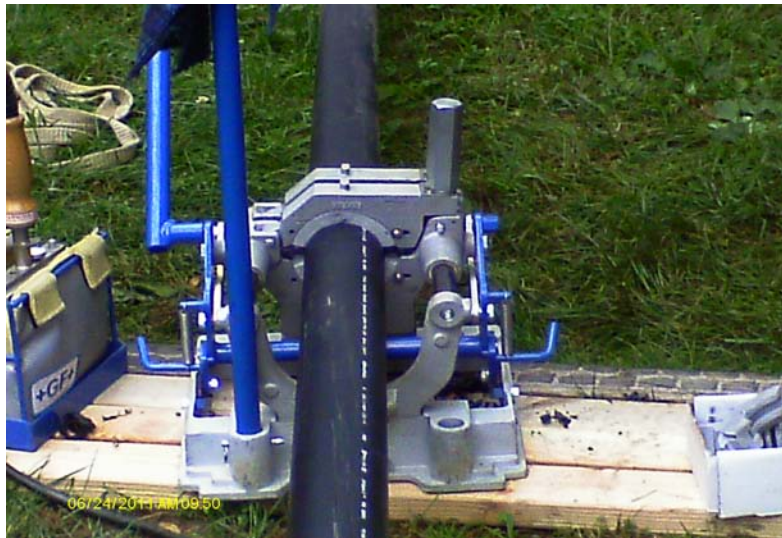
6/24/2011

**Old Roosevelt Field Contaminated Groundwater Area Superfund Site
Remedial Action - Groundwater Treatment System**

PHOTOS: June 13 through June 24, 2011



GF+ Butt Fusion Machine used to join HDPE pipe.
IMAG0055.jpg 6/24/2011



Close-up of 3" HDPE pipe joint, using Butt Fusion Method.
IMAG0056.jpg 6/24/2011